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**About CIS-RAM :** The IEEE International Conferences on CIS & RAM have always been held together, to exploit the synergistic relationship between both areas. CIS-RAM was first held in Singapore in 2004, followed by Thailand in 2006, Chengdu (China) in 2008, Singapore in 2010, Qingdao (China) in 2011, Manila (Philippines) in 2013, Angkor Wat (Cambodia) in 2015, Ningbo (China) in 2017, and Bangkok (Thailand) in 2019. CIS-RAM 2022 will be held 100% on-line, because of uncertainties on safety measures for COVID-19.

**Programs and Topics on RAM:** Robotics and Automation in Unstructured Environment, Personal and Service Robotics, Underwater Robotics, Medical Robots and Systems, Social Robotics, Robotics and Automation Applications, Sensor Design, Integration, and Fusion, Robot Vision, Deep Learning, Embodied AI, Human-Robot Interfaces, Haptics, Tele-robotics, Network Robotics, Micro/Nano, Distributed, Cellular, and Multi-robot Systems, Biologically-Inspired Robots and Systems, Intelligent Transportation Systems, Modeling, Planning and Control, Kinematics, Mechanics, and Mechanism Design, Legged Robots, Wheeled Mobile Robots, Aerial Robotics, Dynamics, Motion Control, Force/Impedance Control, Architecture and Programming, Methodologies for Robotics and Automation, Virtual Reality, Localisation & Tracking, Fleet of AGVs.

**Programs and Topics on CIS:** Cybernetics Automation and Control, Cooperative Systems and Control, Computational Intelligence, Multi-Agent Systems, Supervisory Control, Hybrid Systems, Neural Networks, Deep Reinforcement Learning, Genetic Algorithms, Evolutionary Computation, Systems Modeling & Control, Optimisation, Smart Sensor Networks, Blockchain Technologies, Networked Dynamical Systems, Discrete Event Systems, Swarm Intelligence, Soft Computing, Fuzzy Systems, Decision Support Systems, System of Systems, Big Data, Internet of Things, Image Processing, Environmental Systems, Systems Biology, Cyber-physical Systems, Human/Machine Systems, Transportation Systems, Manufacturing Systems, Smart City, Resource Management, Energy Efficiency.

**Invited Sessions:** The conference will feature invited sessions on specialized topics of interests. The invited sessions are intended to usher in-depth discussions in special areas relevant to the conference theme.

**Best Paper Awards:** The conference will provide three awards: best conference paper award, best student paper and best interactive session paper award.

### Paper Submission

Papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (A4 size, single spacing, Times Roman of font size 10, double columns format, in pdf form), including figures, tables and references. Papers will be published in the conference proceedings only if at least one of the authors is officially registered. All the papers in the conference proceedings will be indexed in the IEEE Library, ISI Proceedings, and EI Compendex database. All accepted papers will be considered for publication in a special issue of *Unmanned Systems*.

### Important Deadlines:

Conference/Invited Session Paper Submission	: 30 Jun 2022
Notification of Acceptance	: 15 Aug 2022
Final Camera-Ready Manuscript	: 01 Sep 2022
Registration	: 01 Sep 2022

